

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

OCT 10 2013

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Sheet

of

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**COMPLETE IF KNOWN**

<b>Application Number</b>	10/089,787
<b>Filing Date</b>	April 3, 2002
<b>First Named Inventor</b>	El-Sherbeini, Mohamed
<b>Group Art Unit</b>	1645
<b>Examiner Name</b>	Devi, S.
<b>Attorney Docket Number</b>	20522P

## **U.S. PATENT DOCUMENTS**

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## **FOREIGN PATENT DOCUMENTS**

**Examiner  
Signature**

SD

**Date Considered**

December 03

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Attorney Docket Number

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**NON PATENT LITERATURE DOCUMENTS**

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Examiner Initials*	Cite No.	Include name of the author, title, date, page(s), volume-issue number(s) and place of publication.
SX	A	Genbank Accession No. AB007500, Wada, A., et al. "Penicillin-binding protein 1 of <i>Staphylococcus aureus</i> is essential for growth".
	B	Genbank Accession No. AF034153, El-Sherbeini, M. et al. "Cloning and characterization of the <i>Staphylococcus aureus</i> mraY gene encoding Phospho-N-Acetylumamoyl-Pentapeptide Translocase".
	C	Genbank Accession No. U94706, Pucci, M.J., et al. "Identification and characterization of cell wall-cell division gene clusters in pathogenic gram-positive cocci".
	D	Bouhss, Ahmed et al. "Topological analysis of the MraY protein catalysing the first membrane step of peptidoglycan synthesis". MOLECULAR MICROBIOLOGY, (1999), 34(3), PP. 576-585.
	E	Boyle, David et al. "mraY Is an Essential Gene for Cell Growth in <i>Escherichia coli</i> ". JOURNAL OF BACTERIOLOGY, Dec. (1998), PP. 6429-6432.
	F	Azzolina, Barbara et al. "The Cell abd Cell Division Gene Cluster in the Mra Operon of <i>Pseudomonas aeruginosa</i> : Cloning, Production, and Purification of Active Enzymes". PROTEIN EXPRESSION AND PURIFICATION, (2001), 21, PP. 393-400.
	G	Brandish, Philip et al. "Slow Binding Inhibition of Phospho-N-acetylumamoyl-pentapeptide-translocase ( <i>Escherichia coli</i> ) by Mureidomycin A**". THE JOURNAL OF BIOLOGICAL CHEMISTRY, (1996), Vol. 271, No. 13, PP. 7609-7614.
	H	Bugg, T.D.H. et al. "Intracellular Steps of Bacterial Cell Wall Peptidoglycan Biosynthesis: Enzymology, Antibiotics, and Antibiotic Resistance". NATURAL PRODUCT REPORTS, (1992), PP. 199-215.
	I	El-Sherbeini, Mohamed et al. "Cloning and expression of <i>Staphylococcus aureus</i> and <i>Streptococcus pyogenes</i> murD genes encoding uridine diphosphate N-acetylumamoyl-L-alanine:D-glutamate ligases". GENE, (1998), 210, PP. 117-125.
	J	Ikeda, Masato et al. "The <i>Escherichia coli</i> mraY Gene Encoding UDP-N-Acetylumamoyl-Pentapeptide: Undecaprenyl-Phosphate Phospho-N-Acetylumamoyl-Pentapeptide Transferase". JOURNAL OF BACTERIOLOGY, (1991), PP. 1021-1026.
	K	Inukai, Masatoshi et al. "Selective Inhibition of the Bacterial Translocase Reaction in Peptidoglycan Synthesis by Mureidomycins". ANTIMICROBIAL AGENTS AND CHEMOTHERAPY, (1993), PP. 980-983.
	L	Liao, Xiaowen et al. "Physical mapping of 32 genetic markers on the <i>Pseudomonas aeruginosa</i> PAO1 chromosome". MICROBIOLOGY, (1996), 142, PP. 79-86.
	M	Pless, Dorothy D. et al. "Initial Membrane Reaction in Peptidoglycan Synthesis". THE JOURNAL OF BIOLOGICAL CHEMISTRY, (1973), Vol. 248, No. 5, PP. 1568-1576.
	N	Pucci, Michael et al. "Identification and Characterization of Cell Wall-Cell Division Gene Clusters in Pathogenic Gram-Positive Cocco". JOURNAL OF BACTERIOLOGY, (1997), PP. 5632-5635.
SX	O	"Biosynthesis of peptidoglycan". Microbial Cell Walls and Membranes, H.J. Rogers et al., eds. (London: Chapman and Hall), (1980), PP. 238-296.

Examiner Signature



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				Examiner Name	Devi, S.
Sheet	3	of	3	Attorney Docket Number	20522P

## **NON PATENT LITERATURE DOCUMENTS**

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